

## SEQUENCE LISTING

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Wikström, Mats

<120> NEW NUCLEAR MAGNETIC RESONANCE SCREENING  
METHOD

<130> 13425-047001

<150> 60/243,626  
<151> 2000-10-26

<150> SE 0003811-7  
<151> 2000-10-20

<160> 7

<170> FastSEQ for Windows Version 4.0

<210> 1  
<211> 435  
<212> PRT  
<213> Homo sapiens

<400> 1  
Met Glu Met Glu Lys Glu Phe Glu Gln Ile Asp Lys Ser Gly Ser Trp  
1 5 10 15  
Ala Ala Ile Tyr Gln Asp Ile Arg His Glu Ala Ser Asp Phe Pro Cys  
20 25 30  
Arg Val Ala Lys Leu Pro Lys Asn Lys Asn Arg Asn Arg Tyr Arg Asp  
35 40 45  
Val Ser Pro Phe Asp His Ser Arg Ile Lys Leu His Gln Glu Asp Asn  
50 55 60  
Asp Tyr Ile Asn Ala Ser Leu Ile Lys Met Glu Glu Ala Gln Arg Ser  
65 70 75 80  
Tyr Ile Leu Thr Gln Gly Pro Leu Pro Asn Thr Cys Gly His Phe Trp  
85 90 95  
Glu Met Val Trp Glu Gln Lys Ser Arg Gly Val Val Met Leu Asn Arg  
100 105 110  
Val Met Glu Lys Gly Ser Leu Lys Cys Ala Gln Tyr Trp Pro Gln Lys  
115 120 125  
Glu Glu Lys Glu Met Ile Phe Glu Asp Thr Asn Leu Lys Leu Thr Leu  
130 135 140  
Ile Ser Glu Asp Ile Lys Ser Tyr Tyr Thr Val Arg Gln Leu Glu Leu  
145 150 155 160  
Glu Asn Leu Thr Thr Gln Glu Thr Arg Glu Ile Leu His Phe His Tyr  
165 170 175  
Thr Thr Trp Pro Asp Phe Gly Val Pro Glu Ser Pro Ala Ser Phe Leu  
180 185 190  
Asn Phe Leu Phe Lys Val Arg Glu Ser Gly Ser Leu Ser Pro Glu His  
195 200 205  
Gly Pro Val Val Val His Cys Ser Ala Gly Ile Gly Arg Ser Gly Thr  
210 215 220  
Phe Cys Leu Ala Asp Thr Cys Leu Leu Leu Met Asp Lys Arg Lys Asp  
225 230 235 240

Pro Ser Ser Val Asp Ile Lys Lys Val Leu Leu Glu Met Arg Lys Phe  
                  245                 250                 255  
 Arg Met Gly Leu Ile Gln Thr Ala Asp Gln Leu Arg Phe Ser Tyr Leu  
                  260                 265                 270  
 Ala Val Ile Glu Gly Ala Lys Phe Ile Met Gly Asp Ser Ser Val Gln  
                  275                 280                 285  
 Asp Gln Trp Lys Glu Leu Ser His Glu Asp Leu Glu Pro Pro Pro Glu  
                  290                 295                 300  
 His Ile Pro Pro Pro Arg Pro Pro Lys Arg Ile Leu Glu Pro His  
                  305                 310                 315                 320  
 Asn Gly Lys Cys Arg Glu Phe Phe Pro Asn His Gln Trp Val Lys Glu  
                  325                 330                 335  
 Glu Thr Gln Glu Asp Lys Asp Cys Pro Ile Lys Glu Glu Lys Gly Ser  
                  340                 345                 350  
 Pro Leu Asn Ala Ala Pro Tyr Gly Ile Glu Ser Met Ser Gln Asp Thr  
                  355                 360                 365  
 Glu Val Arg Ser Arg Val Val Gly Gly Ser Leu Arg Gly Ala Gln Ala  
                  370                 375                 380  
 Ala Ser Pro Ala Lys Gly Glu Pro Ser Leu Pro Glu Lys Asp Glu Asp  
                  385                 390                 395                 400  
 His Ala Leu Ser Tyr Trp Lys Pro Phe Leu Val Asn Met Cys Val Ala  
                  405                 410                 415  
 Thr Val Leu Thr Ala Gly Ala Tyr Leu Cys Tyr Arg Phe Leu Phe Asn  
                  420                 425                 430  
 Ser Asn Thr  
                  435

<210> 2  
 <211> 132  
 <212> PRT  
 <213> Homo sapiens

<400> 2  
 Val Asp Ala Phe Leu Gly Thr Trp Lys Leu Val Asp Ser Lys Asn Phe  
   1                 5                 10                 15  
 Asp Asp Tyr Met Lys Ser Leu Gly Val Gly Phe Ala Thr Arg Gln Val  
   20                 25                 30  
 Ala Ser Met Thr Lys Pro Thr Thr Ile Ile Glu Lys Asn Gly Asp Ile  
   35                 40                 45  
 Leu Thr Leu Lys Thr His Ser Thr Phe Lys Asn Thr Glu Ile Ser Phe  
   50                 55                 60  
 Lys Leu Gly Val Glu Phe Asp Glu Thr Thr Ala Asp Asp Arg Lys Val  
   65                 70                 75                 80  
 Lys Ser Ile Val Thr Leu Asp Gly Gly Lys Leu Val His Leu Gln Lys  
   85                 90                 95  
 Trp Asp Gly Gln Glu Thr Thr Leu Val Arg Glu Leu Ile Asp Gly Lys  
   100                 105                 110  
 Leu Ile Leu Thr Leu Thr His Gly Thr Ala Val Cys Thr Arg Thr Tyr  
   115                 120                 125  
 Glu Lys Glu Ala  
   130

<210> 3  
 <211> 35  
 <212> PRT  
 <213> Artificial Sequence

```
<220>
<223> Exemplary target sequence

<400> 3
Ala Gln Ser Tyr Ile Glu Lys Ile Ser Gln Ala Met Glu Ser Ala Ile
      1           5           10          15
Glu Lys Arg Leu Thr Leu Ala Gln Ile Met Glu Trp Ile Arg Arg Asn
      20          25          30
Ile Met Gly
      35
```

<210> 4  
<211> 35  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Exemplary target sequence

<400> 4  
 Asn Gln Ser Tyr Ile Glu Leu Ile Ser Gln Ala Met Glu Ser Ala Pro  
   1              5                         10                         15  
 Glu Lys Arg Leu Thr Leu Ala Gln Ile His Glu Trp Ile Arg Arg Asn  
   20                                 25                         30  
 Ala Trp Gly  
   35

<210> 5  
<211> 35  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Exemplary protein sequence

```

<400> 5
Pro Tyr Ser Tyr Ile Ser Leu Ile Thr Met Ala Met Gln Gln Ala Pro
   1           5           10           15
Glu Lys Met Leu Thr Leu Ala Gln Ile His Glu Trp Ile Leu Thr His
   20          25           30
Ala Lys Pro
   35

```

```
<210> 6
<211> 35
<212> PRT
<213> Artificial Sequence
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<220>  
<223> Exemplary protein sequence

```

<400> 6
Pro Tyr Ser Tyr Ile Ala Leu Ile Thr Met Ala Met Leu Gln Ser Pro
      1           5           10          15
Glu Lys Lys Leu Thr Leu Ala Gln Ile His Glu Phe Ile Leu Val Asn
      20          25          30
Ala Lys Pro

```

35

<210> 7  
<211> 35  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Exemplary protein sequence

<400> 7  
Pro Tyr Ser Tyr Ile Glu Leu Ile Thr Met Ala Met Gln Asn Ala Pro  
1 5 10 15  
Glu Lys Lys Ile Thr Leu Ala Gln Ile His Gln Phe Ile Leu Val Gln  
20 25 30  
Ala Lys Pro  
35